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WATER SUPPLY OUTLOOK FOR UTAH

JUN 17 1970

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE···SOIL CONSERVATION SERVICE,

and

UTAH STATE DEPARTMENT OF NATURAL RESOURCES -- DIVISION OF WATER RIGHTS

In cooperation with U.S. Forest Service, Bureau of Reclamation, Utah Fish and Game Dept., Utah State University, U.S. National Park Service, U.S. Geological Survey; and other Federal, State, and private organizations.

AS OF
JUNE 1, 1970

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 209, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85025
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4012 Federal Building, Salt Lake City, Utah 84111
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 340, Casper, Wyoming 82601

PUBLISHED BY OTHER AGENCIES.

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P O Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK FOR UTAH

and

FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

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WATER SUPPLY OUTLOOK

JUNE 3, 1970

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WATER SUPPLY OUTLOOK (continued)

Uintah Mountain snow courses had snow only above the 9000 ft. elevation. Paradise Park(10100 ft) had 6 inches depth with 2.3 inches of water content. Last year it had only 0.6 inches of water. Mosby Mountain had only 1 inch depth with 0.1 inch of water. Spirit Lake(10300 ft.) had 9 inches of depth containing 4.1 inches of water. Last year it was bare at this time. Hewinta Guard Station(9500 ft.) had an average of 8 inches depth and 3.6 inches of water content. Last year it had no snow at this time.

The only snow courses on the Price, San Rafael, or Fremont Rivers with snow were Buck Flat(9400 ft.) with 2 inches depth and 0.6 inches of water and Black's Flat-U.M. Creek with 1 inch depth and 0.2 inches of water content. Snow courses on the LaSal and Blue Mountains had no snow but streamflow was reported holding up well in Southeastern Utah.

Only two snow courses measured in Central Utah had snow remaining on the course. They were G.B.R.C. Meadows(10000 ft.) 40 inches depth with 17.8 inches of water content - last year it had 8.0 inches of water and Mt. Baldy Ranger Station 41 inches depth with 18.3 inches of water content. Last year it had 12.3 inches of water at this time. Salina Creek snow courses at upper elevations were reported to still have snow but were not measured this year.

Beaver River had snow above about 9000 feet. Otter Lake(9300 ft.) had 11 inches depth containing 4.6 inches of water. Last year it had 6.6 inches of water. Big Flat had 35 inches of depth with 14.8 inches of water content. Last year it had 19.2 inches of water. All snow courses on the Upper Sevier and Virgin Rivers show no snow this year. Last year Midway Valley had 17.2 inches of water content on June 1. Brian Head snow course on Parawan Creek had an average of 4 inches depth with 1.2 inches of water - last year it still had 8.5 inches of water at this time.

Most streams in Southern Utah have peaked earlier and lower than expected this year due to the lack of precipitation and a very low snow pack. The Upper Sevier and Virgin Rivers are expected to have short water supplies this season. These streams are already receding very rapidly and cannot be expected to show an increase unless above average precipitation occurs very soon.

Central Utah streams are rising about as predicted and should produce above average water supplies this season on the Lower Sevier River, Salina Creek and Fremont Rivers.

Larger streams in Northern Utah are nearing the peak. Smaller streams have already peaked and are receding. Most of flows are falling within the mean daily peak flow range predicted on May 1. Water supplies are expected to be adequate to meet all needs in northern Utah with most reservoirs above average levels for this time of year. Moon Lake reservoir was below average with only 12,200 acre feet. Lakefork River has had a delayed runoff which may yet improve when the high snow begins to melt.

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) ~~xxxxx~~ 2 years ago
JUNE 1, 1970 - SNOW MEASUREMENTS						
UPPER BEAR RIVER (Above Harer, Idaho)						
Burts-Miller Ranch	7900	5/21	0	0.0	0.0	0.0
Hayden Fork	9400	5/21	13	5.8	0.0	10.6
Monte Cristo R. S.	8960	5/27	32	17.0	0.0	16.1
Stillwater Camp	8550	5/21	0	0.0	0.0	0.0
LOWER BEAR RIVER (Below Harer, Idaho)						
Garden City Summit	7600	5/26	8	3.8	0.0	0.0
Klondike Narrows	7400	5/25	0	0.0	0.0	0.0
Steep Hollow #1	8500	5/25	70	32.9	1.9	22.2
Steep Hollow #2	7700	5/25	25	11.7	0.0	- -
Tony Grove R. S.	6250	5/25	0	0.0	0.0	0.0
Willow Flat	6100	5/28	0	0.0	0.0	0.0
OGDEN RIVER						
Ben Lomond(lower)	6000	5/26	0	0.0	0.0	0.0
Ben Lomond Peak	8000	5/26	40	19.4	- -	11.8
Ben Lomond Trail	6000	5/26	0	0.0	0.0	0.0
Cutler Creek	6780	5/26	1	0.5	0.0	0.0
Dry Bread Pond	8230	5/27	4	1.8	0.0	1.0
Sagebrush Flat	6300	5/27	0	0.0	- -	0.0
WEBER RIVER						
Beaver Creek R.S.	7500	5/28	0	0.0	0.0	0.0
Chalk Creek #1	9100	5/26	32	13.0	- -	20.2
Chalk Creek #2	7900	5/26	0	0.0	- -	3.1
Chalk Creek #3	7500	5/26	0	0.0	- -	0.0
Farmington Canyon(lower)	6950	5/28	0	0.0	0.0	0.0
Farmington Canyon(upper)	8000	5/28	38	18.7	2.1	12.8
Parley's Canyon Smt.	7500	5/27	0	0.0	0.0	0.0
Redden Mine(lower)	8500	5/25	5	2.4	- -	5.9
Redden Mine(upper)	9000	5/25	12	5.2	- -	9.1
Smith & Morehouse	7600	5/25	0	0.0	- -	0.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	~~Xxxxx~~ 2 years ago
UTAH LAKE						
Clear Creek Ridge #2	8000	5/26	0	0.0	0.0	0.0
Daniels Strawberry Smt.	8000	5/26	0	0.0	0.0	0.0
Dutchman R. S.	7560	5/27	0	0.0	0.0	0.0
Hobble Creek Summit	7420	5/26	0	0.0	0.0	0.0
Payson R. S.	8050	5/26	0	0.0	0.0	0.0
Soapstone R. S.	7800	5/28	0	0.0	0.0	0.0
Timpanogos Divide	8140	5/27	0	0.0	0.1	7.4
Trial Lake	9800	5/28	40	17.8	12.3	29.8
JORDAN RIVER & TOOELE VALLEY						
Lamb's Canyon	6600	5/27	0	0.0	0.0	0.0
Middle Canyon - Tooele	7000	5/28	0	0.0	0.0	0.0
Silver Lake	8725	5/27	28	15.1	- -	21.6
Vernon Creek	7500	5/28	0	0.0	- -	- -
UINTAH BASIN SCD						
Daniels-Strawberry Smt.	8000	5/26	0	0.0	0.0	0.0
Grizzly Ridge	8500	5/27	0	0.0	0.0	7.5
Indian Canyon	9100	5/27	0	0.0	0.0	6.2
Julius Park	9800	5/26	0	0.0	0.0	14.2
King's Cabin(lower)	8600	5/28	0	0.0	0.0	3.2
King's Cabin(upper)	8730	5/28	0	0.0	0.0	8.9
Lakefork Mountain	10200	5/28	0	0.0	0.0	12.7
Lakefork Mountain #2	8900	5/28	0	0.0	0.0	0.0
Lakefork Mountain #3	8100	5/28	0	0.0	0.0	0.0
Mosby Mountain	9500	5/26	1	0.1	0.0	9.5
Paradise Park	10100	5/26	6	2.3	0.6	14.6
Rock Creek	7900	5/27	0	0.0	0.0	15.7
White River #1	8550	5/28	0	0.0	0.0	0.0
DAGGETT SCD						
Black's Fork Jct.	8925	5/21	0	0.0	0.0	1.6
Burnt Creek	7900	5/27	0	0.0	0.0	0.0
East Fk. Black's Fk. G.S.	9300	5/21	0	0.0	0.0	8.1
Hewinta Guard Station	9500	5/21	8	3.6	0.0	6.8
Hickerson Park	9100	5/27	0	0.0	0.0	1.1
Spirit Lake	10300	5/27	9	4.1	0.0	16.7
PRICE RIVER						
Gooseberry Reservoir	8700	5/26	0	0.0	0.0	13.3
Mud Creek #2	8300	5/28	0	0.0	0.0	0.0
White River #1	8550	5/28	0	0.0	0.0	0.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	Elevation	THIS YEAR: Date of Survey	THIS YEAR: Snow Depth (Inches)	THIS YEAR: Water Content (Inches)	PAST RECORD: Water Content (inches) Last Year	PAST RECORD: Water Content (inches) Average + 2 years ago
SAN RAFAEL RIVER						
Buck Flat	9400	5/27	2	0.6	0.0	5.3
Red Pine Ridge	9400	5/28	0	0.0	0.0	6.2
Stuart R. S.	7950	5/27	0	0.0	0.0	0.0
FREMONT RIVER						
Black's Flat-U.M. Creek	9250	5/25	1	0.2	0.0	1.6
Fish Lake	8700	5/25	0	0.0	0.0	0.0
SOUTHEASTERN UTAH DRAINAGES						
Buckboard Flat	9000	5/22	0	0.0	0.0	0.0
Camp Jackson	8600	5/22	0	0.0	0.0	0.0
LaSal Mountain	8800	5/26	0	0.0	0.0	0.0
LaSal Mountain(upper)	9400	5/26	0	0.0	0.0	4.6
UPPER SEVIER RIVER (South of Richfield, Utah)						
Box Creek	9800	5/26	0	0.0	0.0	2.7
Castle Valley	9700	6/1	0	0.0	0.0	0.0
Duck Creek R.S.	8700	6/1	0	0.0	0.0	0.0
Fish Lake	8700	5/25	0	0.0	0.0	0.0
Harris Flat R.S.	7700	6/1	0	0.0	0.0	0.0
Kimberly Mine	9300	5/28	0	0.0	0.0	8.2
Midway Valley	9800	5/26	0	0.0	17.2	11.5
Panguitch Lake	8200	6/1	0	0.0	0.0	0.0
Squaw Springs	9300	5/26	0	0.0	0.0	0.0
Widtsoe-Escalante	9500	6/1	0	0.0	0.0	0.0
Widtsoe-Escalante #2	9500	6/1	0	0.0	0.0	1.0
Widtsoe-Escalante #3	9500	6/1	0	0.0	0.0	0.7
LOWER SEVIER RIVER (Including San Pitch)						
Beaver Dams	8000	5/25	0	0.0	0.0	0.0
G.B.R.C. Headquarters	8700	5/28	0	0.0	0.0	2.1
G.B.R.C. Meadows	10000	5/28	40	17.8	8.0	20.6
Gooseberry R. S.	8400	5/28	0	0.0	0.0	- -
Mammoth R.S. - Ctnwd. Crk.	8800	5/26	0	0.0	0.0	12.2
Mt. Baldy R. S.	9500	5/25	41	18.3	12.3	21.3
Oak Creek	7760	6/1	0	0.0	0.0	0.0
Pine Creek	8700	5/27	0	0.0	0.0	0.0
Shingle Mill	6200	5/27	0	0.0	- -	0.0
Big Flat	10290	5/27	35	14.8	19.2	19.3
Merchant Valley	8200	5/27	0	0.0	0.0	- -
Otter Lake	9300	5/27	11	4.6	6.6	10.6

SNOW

DRAINAGE BASIN and/or SNOW COURSE		THIS YEAR			PAST RECORD	
					Water Content (inches)	
NAME	Elevation	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	~~XXXXX~~ 2 years ago
VIRGIN RIVER & COAL CREEK						
Webster Flat	9200	5/26	0	0.0	0.0	0.0
PAROWAN CREEK						
Brian Head	10000	5/26	4	1.2	8.5	10.1
Tall Poles	8800	5/26	0	0.0	0.0	0.0
Yankee Reservoir	8700	5/26	0	0.0	0.0	0.0
ENTERPRISE TO NEW HARMONY DRAINAGES						
Little Grassy Creek	6100	5/27	0	0.0	0.0	0.0
Long Flat	8000	5/27	0	0.0	0.0	0.0
DECEMBER 1, 1969 - SUPPLEMENTAL MEASUREMENTS						
Buck Flat	9400	12/3/69	16	4.2	2.0	1.3
Currant Creek	7800	11/13	0	0.0	- -	- -
Dry Valley Divide	7800	12/2	6	1.5	1.6	- -
G.B.R.C. Meadows	10000	12/2	25	7.2	- -	- -
Grizzly Ridge	8500	11/26	16	3.5	- -	- -
Horse Ridge	8260	11/19	8	1.1	- -	- -
Julius Park	9800	11/18	17	3.7	- -	- -
Lakefork Mountain	10200	12/10	11	2.6	- -	- -
Lamb's Canyon	6600	12/11	24	5.0	- -	- -
Mammoth R.S.-Cottonwood Crk.	8800	12/1	18	6.2	- -	- -
Merchant Valley	8200	11/24	6	1.6	- -	- -
Midway Valley	9800	11/25	11	3.3	- -	- -
Mosby Mountain	9500	11/18	10	2.5	- -	- -
Mud Creek	8300	12/2	11	2.4	2.6	1.2
Pickle Keg Springs	9600	12/1	12	3.4	- -	- -
Rush Pond	9800	12/3	14	3.1	1.6	1.5
Shingle Mill	6200	11/28	8	1.8	2.0	- -
Stuart R. S.	7950	12/4	5	0.8	- -	- -
Trial Lake	9800	12/5	23	5.4	6.0	- -
White River #1	8550	12/2	12	3.5	2.5	1.5
White River #2	7600	12/2	3	1.0	- -	- -
White River #3	7400	12/2	4	1.0	- -	- -
Widtsoe-Escalante Smt.	9500	11/25	5	1.0	- -	- -
Wrigley Creek	9000	12/3	10	1.9	0.8	0.9

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
GREAT BASIN DRAINAGE							
UPPER BEAR RIVER (Above Harer, Idaho)							
Burts-Miller Ranch	7900	5/21	1.62	- -	13.37	- -	- -
Chalk Creek #3	7500	5/26	2.92	2.18b	18.93	18.82b	101
Hayden Fork	9300	5/21	2.47	- -	25.00	- -	- -
Monte Cristo #2	8960	5/27	3.09	2.79b	34.45	33.10b	104
Stillwater Camp	8550	5/21	1.80	2.40b	15.51	17.92*	87
Trial Lake	9800	5/28	1.60	3.15	28.75	28.20*	102
LOWER BEAR RIVER (Below Harer, Idaho)							
Dry Bread Pond	8230	5/27	2.95	3.05*	26.90	26.95*	100
Garden City Summit	7600	5/25	2.55	1.84*	22.69	23.53*	96
Monte Cristo #2	8960	5/27	3.09	2.79b	34.45	33.10b	104
Willow Flat	6100	5/28	4.00	3.27b	31.76	28.44*	112
OGDEN RIVER							
Ben Lomond(lower)	5850	5/26	3.52	2.95*	26.71	31.14*	86
Ben Lomond Trail	6000	5/26	3.85	3.73b	32.04	35.45*	90
Causey Dam	5500	5/27	1.80	2.03b	17.50	- -	- -
Dry Bread Pond	8230	5/27	2.95	3.05*	26.90	26.95*	100
Monte Cristo #2	8960	5/27	3.09	2.79b	34.45	33.10b	104
Sagebrush Flat	6300	5/27	2.94	2.21b	18.57	18.20b	102
WEBER RIVER							
Chalk Creek #3	7500	5/26	2.92	2.18b	18.93	18.82b	101
Farmington Guard Sta.	7500	5/28	3.82	3.82	36.00	36.12	100
Farmington Rice	7000	5/28	3.62	3.65	32.07	33.57	96
Mt. Dell Dam	5500	5/31	2.62	2.13	19.47	16.85	116
Parley's Canyon Smt.	7500	5/27	2.29	2.80	28.88	26.84*	108
Redden Mine(upper)	9000	5/25	2.42	- -	28.89	- -	- -
Silver Lake(Brighton)	8725	5/31	2.05	5.47	34.91	36.20	96
Smith & Morehouse	7600	5/25	1.71	2.58*	22.26	22.57	99
Trial Lake	9300	5/28	1.60	3.15	28.75	28.20*	102
PROVO RIVER & UTAH LAKE							
Clear Creek Ridge #2	8000	5/26	0.65	2.23b	20.05	19.52*	103
Daniels-Strawberry Smt.	8000	Gage Molested		1.92*	- -	21.75*	- -
Dutchman R.S.	7500	5/27	0.90	2.67b	16.93	25.84b	66
East Portal Ridge	7800	5/31	0.98	2.89*	19.65	23.42*	83
Hobble Creek Smt.	7300	5/26	0.75	- -	20.00	- -	- -

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
PROVO RIVER & UTAH LAKE - Cont.							
Payson R.S.	8050	5/26	2.00	2.23b	23.15	22.79	102
Soapstone R.S.	7800	5/28	1.07	2.08*	20.90	19.69*	106
Timpanogos Divide	8200	5/27	1.35	2.77	20.67	30.24	68
Trial Lake	9800	5/28	1.60	3.15	28.75	28.20*	102
JORDAN RIVER & TOOELE VALLEY							
Middle Canyon	7000	5/28	2.26	3.05b	19.95	23.90*	83
Mt. Dell Dam	5500	5/31	2.62	2.13	19.47	16.85	116
Parley's Canyon Smt.	7500	5/27	2.29	2.80	28.88	26.84*	108
Silver Lake(Brighton)	8725	5/31	2.05	5.41	34.91	36.20	96
Vernon Creek	7500	5/28	1.14	- -	16.42	- -	- -
SEVIER RIVER ABOVE RICHFIELD							
Big Flat	10290	5/27	1.95	3.03*	21.97	21.85*	100
Box Creek	9800	5/26	0.86	2.27b	19.79	18.33b	108
Castle Valley	9700	6/1	0.48	1.90b	14.57	19.99b	72
Cedar Breaks	10390	5/26	- -	1.94	18.85	20.85*	90
Duck Creek R.S.	8560	6/1	0.38	1.76*	12.53	21.51*	58
Fish Lake	8700	5/25	0.90	1.50b	14.92	11.54b	129
Kimberly Mine	8900	5/28	0.93	3.21*	25.91	25.54*	101
Panguitch Lake	8200	6/1	0.64	1.09b	8.50	9.21b	92
Webster Flat	9200	5/26	0.57	2.03	19.25	24.03	80
Widtsoe-Escalante #3	9500	6/1	0.21	2.00*	14.48	17.19*	84
Widtsoe R.S.	7600	6/1	0.11	0.97	4.90	6.34	77
SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)							
Beaver Dams	8000	5/25	1.59	2.75b	19.32	19.79*	98
G.B.R.C. Headquarters	8700	5/28	1.24	2.80	23.99	24.15	99
G.B.R.C. Meadows	10000	5/28	1.56	3.21	31.49	28.30	111
G.B.R.C. Oaks	7655	5/28	1.10	2.22	16.68	16.85	99
Gooseberry R.S.	7800	5/28	1.08	2.71*	20.12	17.80*	113
Mammoth R.S. #2	8600	5/26	0.95	2.55*	22.78	24.30*	94
Gooseberry Reservoir	8700	5/26	0.86	2.75*	20.41	23.38*	87
Mt. Baldy R. S.	9500	5/25	1.46	3.36b	24.77	22.70*	109
Oak Creek	7760	6/1	0.35	- -	17.91	- -	- -
Pine Creek	8700	5/27	0.71	3.99b	34.73	30.53b	114
Shingle Mill	6200	5/27	0.40	2.76b	19.74	19.30b	102
BEAVER RIVER							
Beaver Canyon P.H.	7275	5/31	0.10	2.75b	10.07	19.79*	50
Big Flat	10290	5/27	1.95	3.03*	21.97	21.85*	100
Merchant's Valley	8650	5/27	2.08	- -	18.59	- -	- -

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
		Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
PAROWAN CREEK							
Tall Poles	8800	5/26	0.90	- -	17.80	- -	- -
Yankee Reservoir	8700	5/26	0.83	1.71b	14.20	15.70b	90
COAL CREEK							
Cedar Breaks	10390	5/26	- -	1.94	18.85	20.85*	90
Webster Flat	9200	5/26	0.57	2.03	19.25	24.03*	80
ENTERPRISE TO NEW HARMONY DRAINAGE							
Little Grassy Creek	6100	5/27	0.25	0.80b	10.00	14.54b	69
Long Flat	8000	5/27	0.15	1.44b	9.55	15.29b	62
COLORADO RIVER DRAINAGE							
UPPER GREEN RIVER IN UTAH (Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	5/21	1.44	2.19b	16.09	16.53*	97
Burnt Creek	7900	5/27	2.90	- -	16.88	- -	- -
East Fk.Black's Fk.G.S.	9300	5/21	1.58	2.63b	16.28	16.64b	98
Hewinta G.S.	9500	5/21	1.62	2.74b	17.99	17.69b	102
Hickerson Park	9100	5/27	3.45	- -	12.17	- -	- -
Spirit Lake	10300	5/27	3.77	3.76b	21.67	22.09*	98
GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER							
Grizzly Ridge	8500	5/27	3.01	- -	18.33	- -	---
King's Cabin(upper)	8730	5/28	3.25	2.47b	16.55	15.35b	108
DUCHESNE RIVER							
Daniels-Strawberry Smt.	8000	Gage Molested		1.92*	- -	21.75*	- -
East Portal Ridge*	7800	5/31	0.98	2.89	19.65	23.42*	83
Indian Canyon	9100	5/27	1.01	2.00b	15.45	17.41b	89
Julius Park	9800	5/26	2.45	2.53*	12.99	16.76*	78
Lakefork Mountain	10500	5/28	0.85	2.54*	12.35	16.18*	76
Moon Lake	8150	5/31	0.55	1.76	7.80	10.77	72
Paradise Park	10100	5/26	3.07	2.73b	14.63	18.25*	80
Rock Creek	7900	5/27	1.08	2.01b	12.19	14.57b	84
Soapstone R.S.	7800	5/28	1.07	2.08*	20.90	19.69*	106
Trial Lake	9800	5/28	1.60	3.15	28.75	28.20*	102
White River #1	8600	5/28	0.10	1.92b	15.05	17.51*	86

PRECIPITATION (Inches)

DRAINAGE BASIN and PRECIPITATION GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		Date of Reading	Month's Precipitation	Average +	This Year	Average +	Percent of Average
PRICE RIVER							
Clear Creek Ridge #2	8000	5/26	0.65	2.23b	20.05	19.52*	103
Gooseberry Reservoir	8700	5/26	0.86	2.75b	20.41	23.38*	87
Indian Canyon	9100	5/27	1.01	2.00b	15.45	17.41b	89
Mammoth R.S. #2	8600	5/26	0.95	2.55*	22.78	24.30*	94
Mud Creek	8300	5/28	0.70	1.96*	17.80	18.78*	95
White River #1	8600	5/28	0.10	1.92b	15.05	17.51*	86
SAN RAFAEL RIVER							
Buck Flat	9400	5/27	0.85	2.44b	22.20	21.81*	102
G.B.R.C. Meadows	10000	5/28	1.56	3.21	31.49	28.30	111
Gooseberry Reservoir	8700	5/26	0.86	2.75b	20.41	23.38*	87
Orange Olsen	7300	5/28	0.35	- -	9.94	- -	- -
Red Pine Ridge	9400	5/28	1.05	2.43b	28.30	25.05*	113
MUDDY RIVER							
Mt. Baldy R.S.	9500	5/25	1.46	3.36b	24.77	22.70*	109
FREMONT & ESCALANTE RIVERS							
Black's Flat-U.M. Crk.	9250	5/25	1.00	2.19b	19.15	16.53*	116
Fish Lake	8700	5/25	0.90	1.50b	14.92	11.54b	129
Widtsoe-Escalante #3	9500	6/1	0.21	2.00*	14.48	17.19*	84
VIRGIN RIVER							
Duck Creek R.S.	8560	6/1	0.38	1.76*	12.53	21.57*	58
Webster Flat	9200	5/26	0.57	2.03	19.25	24.03	80
SOUTHEASTERN UTAH DRAINAGES							
Buckboard Flat	9000	5/22	1.30	2.25b	20.79	22.11b	94
Camp Jackson	8600	5/22	0.20	1.83*	18.74	18.42*	102
LaSal Mountain(upper)	9600	5/26	0.25	2.87b	21.55	19.73*	109

SOIL MOISTURE

DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of Survey	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity		This Year	Last Year	Average +
AUGUST 1, 1969							
Currant Creek	7800	72	22.0	7/15	16.6	16.2	- -
Little Grassy Creek	6100	72	24.5	7/30	12.4	7.7	8.2
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	7/30	16.4	15.2	15.2
SEPTEMBER 1, 1969							
Little Grassy Creek	6100	72	24.5	9/3	10.4	7.7	8.1
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	9/2	13.2	14.1	12.3
OCTOBER 1, 1969							
Beaver Crk.-Skunk Crk.	7150	48	18.4	9/29	6.8	9.4	8.2
Ben Lomond(lower)	5850	72	26.5	9/29	10.2	- -	- -
Chalk Creek #2	8000	48	18.0	9/26	10.2	- -	- -
Corral	8200	48	13.4	9/29	6.4	- -	- -
Currant Creek	7800	72	22.0	9/29	13.0	14.4	14.4
Dry Bread Pond	8230	48	19.0	9/29	12.0	14.7	12.0
Grassy Trail Crk.	6100	72	14.5	9/30	12.0	- -	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	9/29	12.2	13.6	11.1
Mud Creek	8300	72	14.4	9/29	10.9	- -	- -
White River #1	8600	48	16.00	9/29	9.0	8.7	9.1
NOVEMBER 1, 1969							
Beaver Crk-Skunk Crk.	7150	48	18.4	10/30	7.1	10.7	8.5
Ben Lomond(lower)	5850	72	26.5	10/30	12.8	19.7	- -
Chalk Creek #2	8000	48	18.0	10/30	11.5	14.3	14.5
Currant Creek	7800	72	22.0	11/13	14.7	- -	- -
Daniels-Strawberry Smt.	8000	48	14.0	10/28	7.9	7.0	6.0
Dry Bread Pond	8230	48	19.0	10/30	13.4	14.8	13.7
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	10/30	11.6	13.6	11.0
Mud Creek	8300	72	14.4	11/4	11.0	11.0	11.2
White River #1	8600	48	16.0	11/4	8.2	4.7	8.1
DECEMBER 1, 1969							
Daniels-Strawberry Smt.	8000	48	14.0	11/28	8.5	8.0	6.1
Mammoth R.S.- Ctnwd. Crk.	8800	60	21.9	12/1	12.0	13.1	10.4
Mud Creek	8300	72	14.4	12/2	10.9	10.6	- -
White River #1	8600	48	16.0	12/2	7.7	7.5	- -
Little Grassy Crk.	6100	72	24.5	11/26	10.0	- -	- -

SOIL MOISTURE

DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of Survey	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity		This Year	Last Year	Average +
FEBRUARY 1, 1970							
Beaver Crk.-Skunk Crk.	7150	48	18.4	1/29	7.2	- -	- -
Ben Lomond(lower)	5850	72	26.5	1/28	19.3	23.0	13.6
Chalk Creek #2	8000	48	18.0	1/28	12.4	14.2	13.3
Daniels-Strawberry Smt.	8000	48	14.0	1/29	9.0	9.3	6.6
Dry Bread Pond	8230	48	19.0	1/29	14.5	15.6	13.6
Mammoth R.S. -Ctnwd. Crk.	8800	60	21.9	1/28	No Read	13.0	10.7
Mud Creek	8300	72	14.4	1/30	10.6	10.8	10.5
MARCH 1, 1970							
Beaver Crk-Skunk Crk.	7150	48	18.4	2/27	7.4	13.1	- -
Ben Lomond(lower)	5850	72	26.5	2/26	21.7	22.7	17.8
Chalk Creek #2	8000	48	18.0	2/20	11.8	14.3	- -
Daniels-Strawberry Smt.	8000	48	14.0	2/29	9.4	10.7	- -
Dry Bread Pond	8230	48	19.0	2/27	13.6	15.7	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	2/25	12.4	- -	- -
Mud Creek	8300	72	14.4	2/26	10.9	11.1	10.6
White River #1	8600	48	16.0	2/27	4.9	7.5	8.9
APRIL 1, 1970							
Beaver Crk-Skunk Crk.	7150	48	18.4	3/27	7.1	13.5	9.3
Ben Lomond(lower)	5850	72	26.5	3/26	21.8	22.8	21.7
Chalk Creek #2	8000	48	18.0	3/25	13.1	14.4	12.5
Corral	8200	48	13.4	3/30	6.1	10.0	- -
Currant Creek	7800	72	22.0	3/31	13.0	15.0	14.3
Daniels-Strawberry Smt.	8000	48	14.0	3/27	10.0	11.3	- -
Dry Bread Pond	8230	48	19.0	3/27	13.7	15.8	14.1
Grassy Trail Crk.L.Fork	6100	72	14.5	3/30	9.5	9.1	---
Little Grassy Crk	6100	72	24.5	3/30	14.3	- -	- -
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	3/27	12.8	13.3	11.2
Mud Creek	8300	72	14.4	3/26	10.5	10.7	8.4
White River #1	8600	48	16.0	3/27	8.2	7.4	- -
MAY 1, 1970							
Beaver Crk-Skunk Crk.	7150	48	18.4	4/28	13.0	17.0	14.9
Ben Lomond(lower)	5850	72	26.5	4/27	21.9	23.7	23.0
Chalk Creek #2	8000	48	18.0	4/27	13.3	17.0	13.6
Daniels-Strawberry Smt.	8000	48	14.0	4/29	12.2	12.9	---
Dry Bread Pond	8230	48	19.0	4/28	15.8	16.5	16.7
Little Grassy Crk.	6100	72	24.5	4/30	14.7	- -	- -
Mammoth R.S.-Ctnwood Crk.	8800	60	21.9	4/28	18.3	20.6	11.5
Mud Creek	8300	72	14.4	4/30	10.8	11.3	---

SOIL MOISTURE

DRAINAGE BASIN and/or STATION		Profile (Inches)		Date of Survey	Soil Moisture (Inches)		
Name	Elevation	Depth	Capacity		This Year	Last Year	Average +
JUNE 1, 1970							
Beaver Crk-Skunk Crk.	7150	48	18.4	5/27	16.7	15.3	13.0
Ben Lomond(lower)	5850	72	26.5	5/26	22.9	22.2	23.1
Daniels-Strawberry Smt.	8000	48	14.0	5/26	12.3	7.8	- -
Dry Bread Pond	8230	48	19.0	5/27	16.7	16.4	16.7
Mammoth R.S.-Ctnwd. Crk.	8800	60	21.9	5/27	19.7	19.8	17.8
Mud Creek	8300	72	14.4	5/28	11.7	12.0	11.8
White River #1	8600	48	16.0	5/28	16.1	14.6	- -

Agencies Cooperating in Utah Snow Surveys

U.S. GOVERNMENT AGENCIES

U.S. Department of Agriculture
- Soil Conservation Service
- Forest Service

U.S. Department of Commerce
- Weather Bureau

U.S. Department of Interior
- Bureau of Reclamation
- Geological Survey
- National Park Service

STATE AGENCIES

Utah State University

Utah Fish and Game Department

Utah State Department of Natural Resources, Division of Water Rights
- Bear River Commissioner
- Price River Commissioner
- Provo River Commissioner
- Sevier River Commissioners
- Spanish Fork River Commissioner
- Utah Lake and Jordan River Commissioner

MUNICIPALITIES

Manti

Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association

Board of Canal Presidents - Jordan River

Emery Canal and Reservoir Company

Moon Lake Water Users Association

Ogden River Water Users Association

Provo River Water Users Association

Strawberry Water Users Association

Sevier River Water Users Association

PRIVATE AGENCIES

Kaiser Steel Corporation

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